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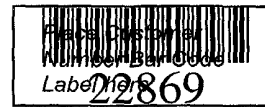
Associate Power of Attorney

| | |
|------------------------|----------------------------------------------------|
| Application Number | |
| Filing Date | January 11, 2002 |
| First Named Inventor | Thomas R. Cech, et al. |
| Title | Telomerase Reverse Transcriptase Catalytic Subunit |
| Group Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 015389-002640US |

I hereby appoint:

☒ Practitioners at Customer Number

022869



☐ Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
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as associates of the Attorneys of Record to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

☒ I am an Attorney of Record in this application

SIGNATURE on behalf of the Attorneys of Record

| | |
|-----------|-----------------------------------|
| Name | WILLIAM M. SMITH, Reg. No. 30,223 |
| Signature | |
| Date | 12-13-01 |

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND THERAPEUTIC METHODS**

the specification of which:

_____ is attached hereto or

☒ was filed on August 14, 1997 as Application No. 08/912,951 and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

| Country | Application No. | Date of Filing | Priority Claimed Under 35 USC 119 |
|---------|-----------------|----------------|--------------------------------------|
| | | | Yes _ No _ |
| | | | Yes _ No _ |

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

| Application No. | Filing Date |
|-----------------|-------------|
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I claim the benefit under Title 35, United States Code; Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Date of Filing | Status |
|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------|
| 08/854,050 | May 9, 1997 | <input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned |
| 08/851,843 | May 6, 1997 | <input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned |
| 08/846,017 | April 25, 1997 | <input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned |
| 08/844,419 | April 18, 1997 | <input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned |
| 08/724,643 | October 1, 1996 | <input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

William M. Smith, Reg. No. 30,223
Randolph T. Apple, Reg. No. 36,429
Joe Liebeschuetz, Reg. No. 37,505
Greg P. Einhorn, Reg. No. 38,440
Kevin Kaster, Reg. No. 32,704
David Lentini, Reg. No. 33, 944

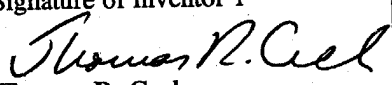
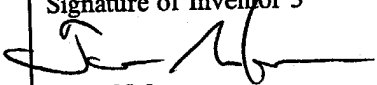
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| Send Correspondence to: William M. Smith TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834 | Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: William M. Smith Reg. No.: 30,223 Telephone: (415) 576-0200 |
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| Full Name of Inventor 5 | Last Name Morin | First Name Gregg | Middle Name or Initial B. | |
| Residence & Citizenship | City Palo Alto | State/Foreign Country California | Country of Citizenship United States | |
| Post Office Address | Post Office Address 3407 Janice Way | City Palo Alto | State/Country California | Zip Code 94303 |
| Full Name of Inventor 6 | Last Name Harley | First Name Calvin | Middle Name or Initial B. | |
| Residence & Citizenship | City Palo Alto | State/Foreign Country California | Country of Citizenship Canada | |
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| Full Name of Inventor 7 | Last Name Andrews | First Name William | Middle Name or Initial H. | |
| Residence & Citizenship | City Richmond | State/Foreign Country California | Country of Citizenship United States | |
| Post Office Address | Post Office Address 6102 Park Avenue | City Richmond | State/Country California | Zip Code 94805 |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Signature of Inventor 1  Thomas R. Cech | Signature of Inventor 2 Joachim Lingner | Signature of Inventor 3  Toru Nakamura |
| Date Feb. 9, 1998 | Date | Date 2/9/98 |
| Signature of Inventor 4 Karen B. Chapman | Signature of Inventor 5 Gregg B. Morin | Signature of Inventor 6 Calvin B. Harley |
| Date | Date | Date |
| Signature of Inventor 7 William H. Andrews | | |
| Date | | |

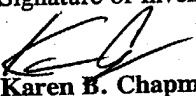
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|----------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------|
| Signature of Inventor 1 Thomas R. Cech | Signature of Inventor 2 <i>J. Lingner</i> Joachim Lingner | Signature of Inventor 3 Toru Nakamura |
| Date | Date 1/17/98 | Date |
| Signature of Inventor 4 Karen B. Chapman | Signature of Inventor 5 Gregg B. Morin | Signature of Inventor 6 Calvin B. Harley |
| Date | Date | Date |
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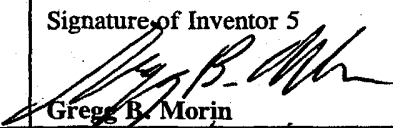
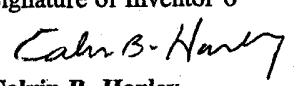
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| Date | Date | Date |
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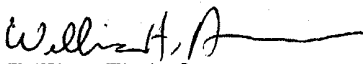
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| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
| Thomas R. Cech | Joachim Lingner | Toru Nakamura |
| Date | Date | Date |
| Signature of Inventor 4 | Signature of Inventor 5 | Signature of Inventor 6 |
| Karen B. Chapman |  Gregg B. Morin |  Calvin B. Harley |
| Date | Date 1/23/98 | Date 1/23/98 |
| Signature of Inventor 7 | | |
| William H. Andrews | | |
| Date | | |

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| Date | Date | Date |
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